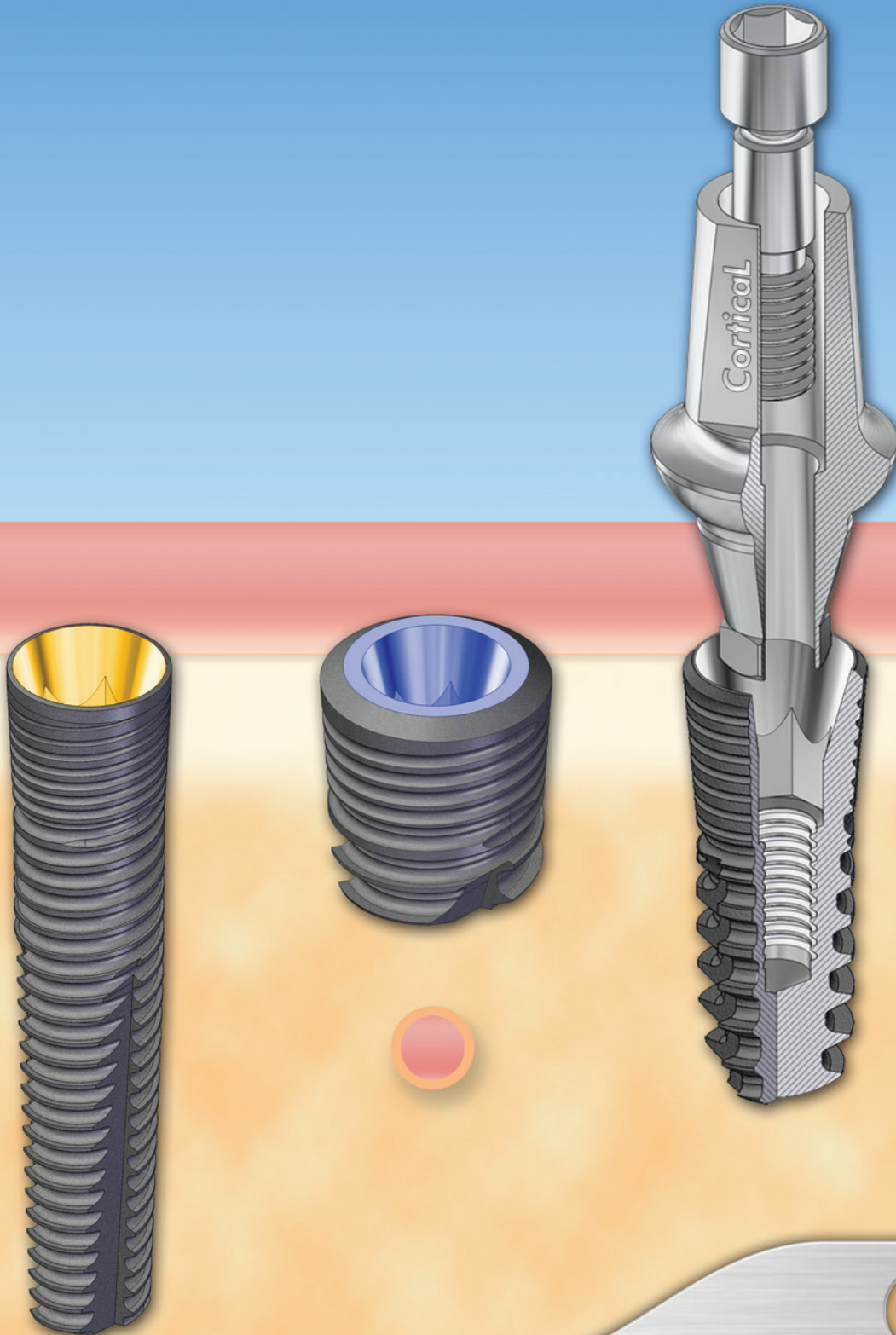


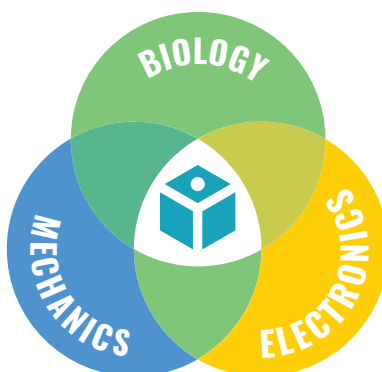


Cortical®



BIONIKA Medline Kft.**DENTISTRY- ORAL SURGERY****TRAUMATOLOGY- ORTHOPEDICS****REHABILITATION- OBSTACLE CLEARING**

BIONIKA Medline Orvostechikai Kft. was founded in 1989. We have a 30-year-experience in the field of medical instruments and implant development, production and trade. BIONIKA as a researcher, developer, manufacturer and distributor is present in dentistry, oral surgery, traumatology, orthopedics and rehabilitation in the medical-professional areas. According to our objective and perception, we attach great importance to the word „BIONIKA“, which marks a scientific thinking on the boundaries of biology, technology and electronics that combines these three areas in our researching and developing work. We have a strong, high- technology – with its help we can flexibly serve our partners’ unique and individual requirements.

**Clinical and technological experiences:**

The continuous process, combination and utilization of clinical and technological experiences in development contributes to our success, up to the production base.

Here you will find the best solutions and constructions suited to customer needs, which are under continuous development.

Development: The owners of BIONIKA put great emphasis on continuous product and technological research and development. Our products are developed in close collaboration with doctors and engineers, enabling us to ensure the world-class quality and practical utilization.

Quality and Guarantee: The quality of the products expected by our customers is guaranteed by design, manufacturing and quality management according to the harmonized European Union laws. The BIONIKA Medline Kft. is operated according to the EN ISO 9001 and the EN ISO 13485 quality management system. Our products are provided with CE marks. After inserting the implant - the risk of the ossification process is assumed by BIONIKA, independently of cause and effect relationship – exchange guarantee is ensured within one year after the purchase. Otherwise, we provide a long-term, 5-year guarantee for our products.

DEVELOPMENT**MANUFACTURE****TRADE**

IMPLANTS
Micromotor-free, soluble , conical connection: Hex@con

The most perfect fixation is provided which is well-proven in the engineering practice. 30 degree cone angle is applied with the Cortical implant which eventuates micromotor-free power transmission and offers favorable conditions for the accurate open or closed spooned sampling, even in the case of bigger angle differences.

Cortical Level:

The chances of the implant persistency are significantly improved by inserting the upper edge of the implant at the cortical level or below (from 0,5 to 1 mm) which is proven by surgical experiences on the long run.

Platform switching:

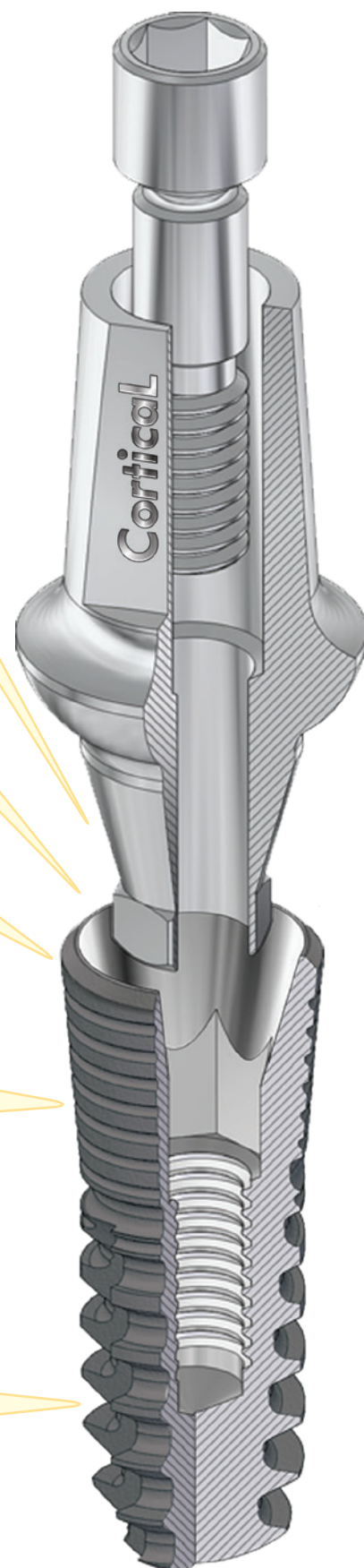
The diameter of the abutment is smaller than the outer part of the implant which is connected to the bone. This way the soft tissue closes upon the ingoing aperture and the implant's connecting surface of the bone nest, covering, insulating that like as a sealing ring.

Conical, spirally microstriated cortical surface:

The multi-paragraphed microstriated spiral surface can function as a significant weight bearing element connected to the cortical and ensuring micromotor-free condition for the fast inserting. This self-closing thread structure due to the cycloid cord thread geometry helps facilitating dynamic force convection and ensures micromotor-free condition for fast insertion.

Root form, high thread pitch spongy thread:

Due to the conicity, high thread pitch, high thread deepness, self-tapping shaping of the thread, it has a bone-compacting effect. Thus, there is an option for immediate loadness of the implant as needed.



IMPLANTS

Cortical Normal Implant



The BIONIKA **Cortical Normal implants** are versatile applicational possibilities in the case of normal bone structure. When inserting the implant, the platform and the nominal diameter should be considered as well. Choosing the accurate inserting length is also important according to the available bone stock.

For this Normal implant type the original natural „**TITANIUM**” **coloured technical implants and abutments** should be used.

diameter (mm)	Inserting length (mm)			
	9	11	13	15
ø 3,5	●	●	●	●
ø 4,0	●	●	●	●
ø 4,5	●	●	●	●
ø 5,0	●	●	●	●
ø 6,0	●	●	●	●

Cortical Extra Short Implant



The characteristic of the **Cortical Extra Short implant** is the short, stout geometry which can be eventuated in favorably in the case of vertical directioned bone deterioration. Its structural abutment is the same with the Normal shape.

The connection sizes of the Extra Slim implant is different, thus in favor of the better transparency and fast differentiation „**BLUE**” **coloured implants and abutments** are applied in this subsystem.

diameter (mm)	Inserting length (mm)	
	6	7
ø 3,5	●	●
ø 4,0	●	●
ø 4,5	●	●
ø 5,0	●	●
ø 6,0	●	●

Cortical Extra Slim Implant



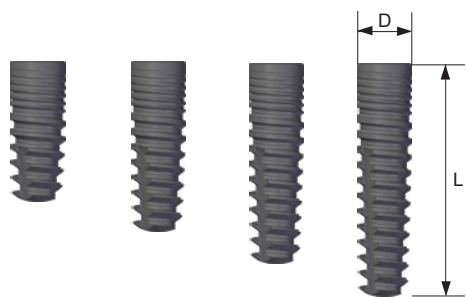
The applicational field of the **Cortical Extra Slim implants** is the slim jaw bone. In the case of the construction the Extra Slim implant type has the same characteristics with the Normal shaping type, so the sampling and the prosthetic tasks are simple and accurate as in the case of the Normal subsystem.

*The abutments and technical implants are provided with „**YELLOW**” colour in the case of the ø3,0mm.*

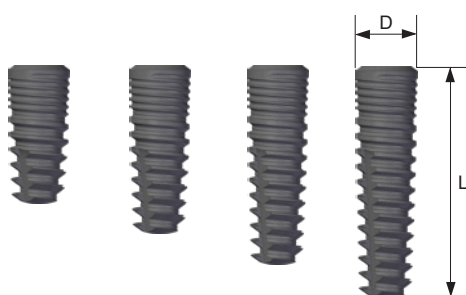
diameter (mm)	Inserting length (mm)			
	9	11	13	15
ø 3,0	○	○	○	○

IMPLANTS

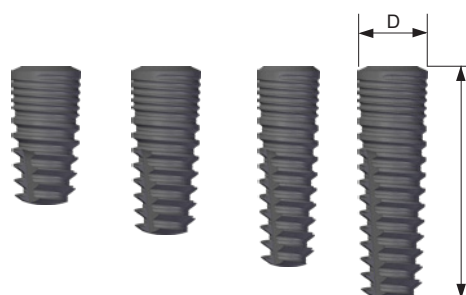
Cortical Normal Implant



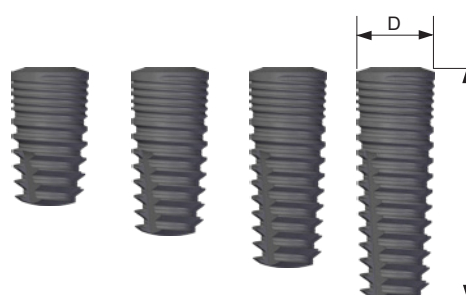
Diameter (D)	ø 3,5
Inserting length (L)	
9 mm	CL 59.01.35.009
11 mm	CL 59.01.35.011
13 mm	CL 59.01.35.013
15 mm	CL 59.01.35.015



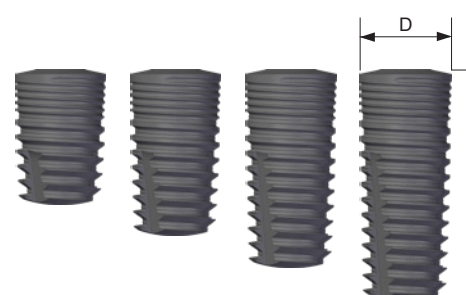
Diameter (D)	ø 4,0
Inserting length (L)	
9 mm	CL 59.01.40.009
11 mm	CL 59.01.40.011
13 mm	CL 59.01.40.013
15 mm	CL 59.01.40.015



Diameter (D)	ø 4,5
Inserting length (L)	
9 mm	CL 59.01.45.009
11 mm	CL 59.01.45.011
13 mm	CL 59.01.45.013
15 mm	CL 59.01.45.015



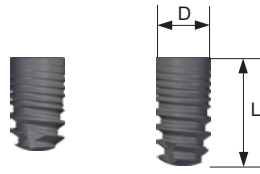
Diameter (D)	ø 5,0
Inserting length (L)	
9 mm	CL 59.01.50.009
11 mm	CL 59.01.50.011
13 mm	CL 59.01.50.013
15 mm	CL 59.01.50.015



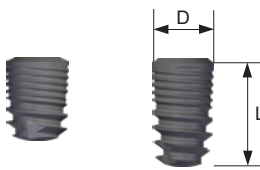
Diameter (D)	ø 6,0
Inserting length (L)	
9 mm	CL 59.01.60.009
11 mm	CL 59.01.60.011
13 mm	CL 59.01.60.013
15 mm	CL 59.01.60.015

IMPLANTS

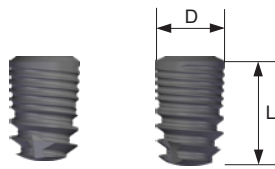
CorticalL Extra Short Implant



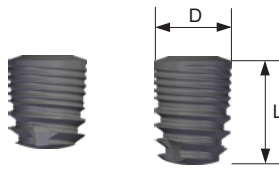
Diameter (D)	ø 3,5
Inserting length (L)	
6 mm	CL 59.01.35.006
7 mm	CL 59.01.35.007



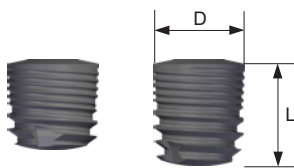
Diameter (D)	ø 4,0
Inserting length (L)	
6 mm	CL 59.01.40.006
7 mm	CL 59.01.40.007



Diameter (D)	ø 4,5
Inserting length (L)	
6 mm	CL 59.01.45.006
7 mm	CL 59.01.45.007

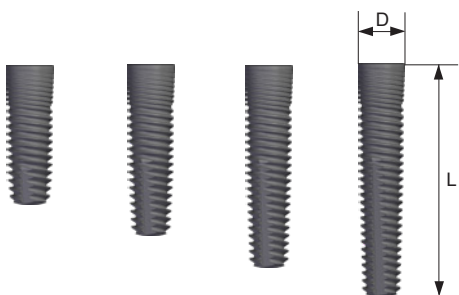


Diameter (D)	ø 5,0
Inserting length (L)	
6 mm	CL 59.01.50.006
7 mm	CL 59.01.50.007



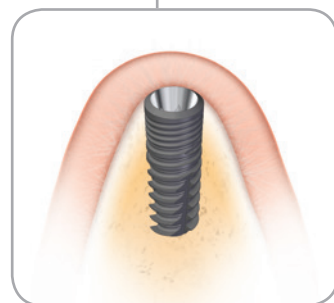
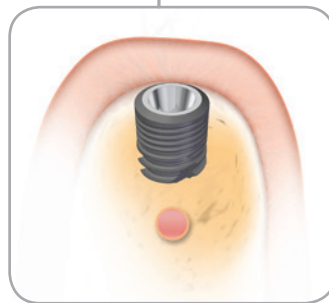
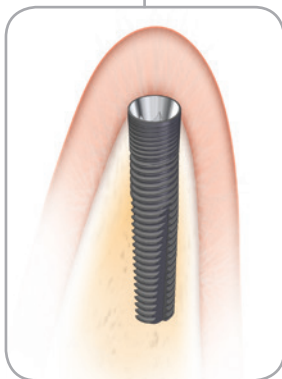
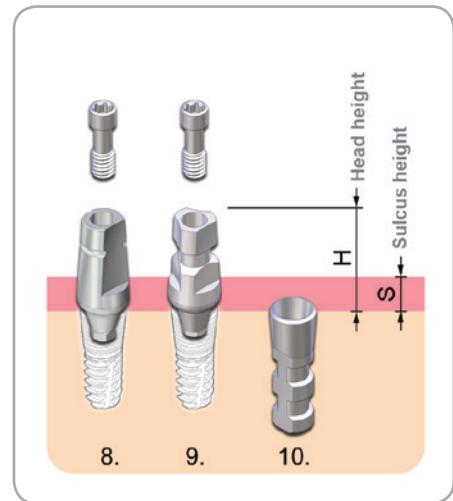
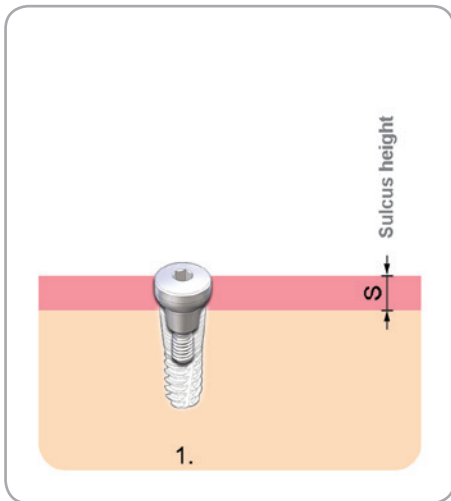
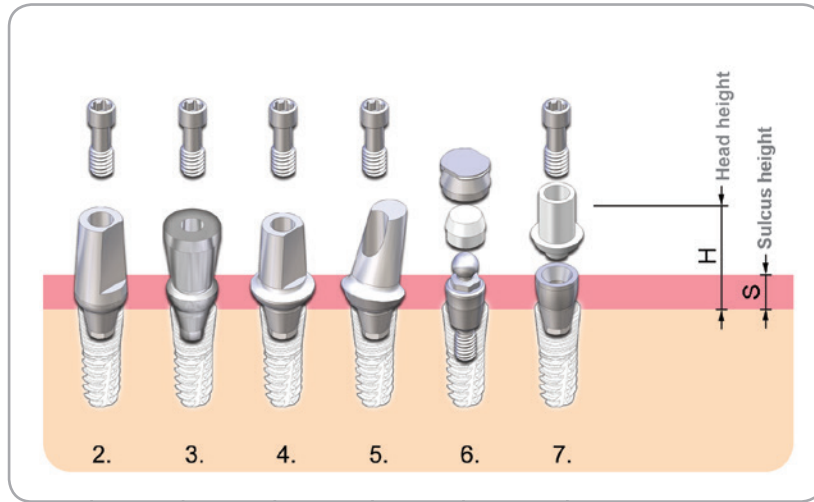
Diameter (D)	ø 6,0
Inserting length (L)	
6 mm	CL 59.01.60.006
7 mm	CL 59.01.60.007

CorticalL Extra Slim Implant

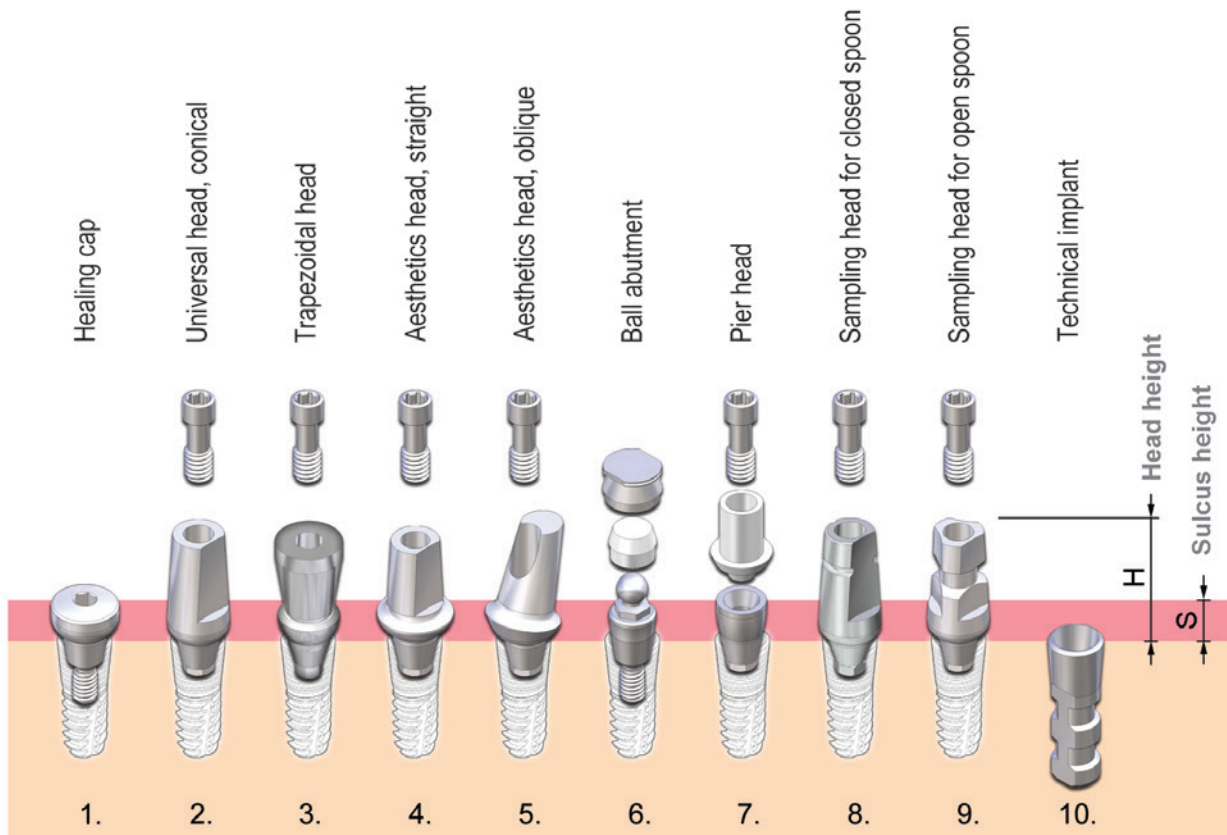


Diameter (D)	ø 3,0
Inserting length (L)	
9 mm	CL 59.01.30.009
11 mm	CL 59.01.30.011
13 mm	CL 59.01.30.013
15 mm	CL 59.01.30.015

CORTICAL SYSTEM STRUCTURES



ABUTMENTS



BIONIKA

CorticalL Extra Slim Implant



BIONIKA

CorticalL Extra Short Implant



BIONIKA


















CorticalL Normal Implant



Denomination	Sulcus height(mm)			Head height(mm)		
	2	4	6	7	9	11
1. Healing cap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
2. Universal head, conical						<input type="checkbox"/>
3. Trapezoidal head						<input type="checkbox"/>
4. Aesthetics head, straight				<input type="checkbox"/>	<input type="checkbox"/>	
5. Aesthetics head, oblique				<input type="checkbox"/>	<input type="checkbox"/>	
6. Ball head	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
7. Pier head	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
8. Sampling head for closed spoon						<input type="checkbox"/>
9. Sampling head for open spoon						<input type="checkbox"/>
10. Technical implant						

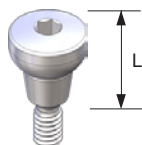
ABUTMENTS



Locking screw			Manual implant key driver
Healing cap			Manual implant key driver
Head screw			Ratchet torque wrench 20 Ncm
Universal head, conical			
Trapezoidal head			
Aesthetics head, straight			
Aesthetics head, oblique			
Paracentric (pier) head screw			Ratchet torque wrench 15 Ncm
Plastic paracentric (pier) head			
Paracentric (pier) cup			
Sampling head screw			Ratchet torque wrench 10 Ncm
Sampling head for closed spoon			
Sampling head for open spoon			
Ball head (OT-CAP micro)			Ratchet torque wrench 20 Ncm
Metal cap (OT-CAP micro)			
Plastic interline (OT-CAP micro)			

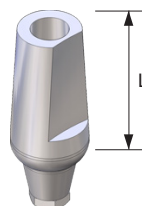
ABUTMENTS

Healing cap



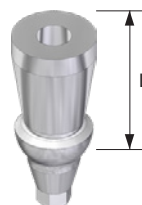
Sulcus height(L)	
2 mm	CL 59.03.18.002
4 mm	CL 59.03.18.004
6 mm	CL 59.03.18.006

Universal head, conical



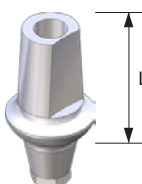
Head height(L)	
11 mm	CL 59.06.05.011

Trapezoidal head



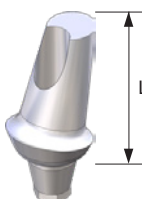
Head height(L)	
11 mm	CL 59.07.05.011

Aesthetics head, straight



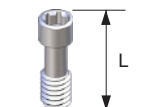
Head height(L)	
7 mm	CL 59.08.05.007
9 mm	CL 59.08.05.009

Aesthetics head, oblique 15°



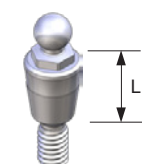
Head height(L)	
7 mm	CL 59.08.15.007
9 mm	CL 59.08.15.009

Head screw



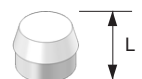
Height (L)	
7/9 mm	CL 59.11.18.709

Ball head



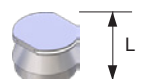
Sulcus height(L)	
2 mm	CL 59.09.18.002
4 mm	CL 59.09.18.004
6 mm	CL 59.09.18.006

OT-CAP plastic interline



Height (L)	
2,5 mm	CL 59.09.18.000

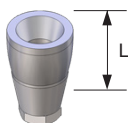
OT-CAP metal cap



Height (L)	
3 mm	CL 59.09.18.001

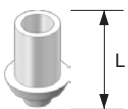
ABUTMENTS

Paracentric (pier) cup



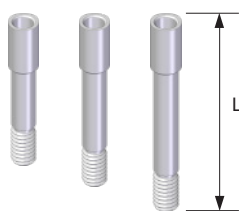
Sulcus height(L)	
2 mm	CL 59.10.41.002
4 mm	CL 59.10.41.004
6 mm	CL 59.10.41.006

Plastic paracentric (pier) head



Height (L)	
7 mm	CL 59.10.41.107

Paracentric (pier) head screw



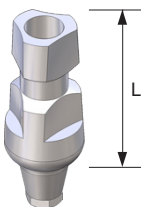
Height (L)	
9/13 mm	CL 59.11.18.913
11/15 mm	CL 59.11.18.115
13/17 mm	CL 59.11.18.117

Sampling head for closed spoon



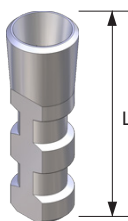
Head height(L)	
11 mm	CL 59.04.05.011

Sampling head for open spoon



Head height(L)	
11 mm	CL 59.04.05.111

Technical implant



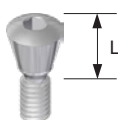
Height (L)	
12 mm	CL 59.05.35.012

Sampling head screw

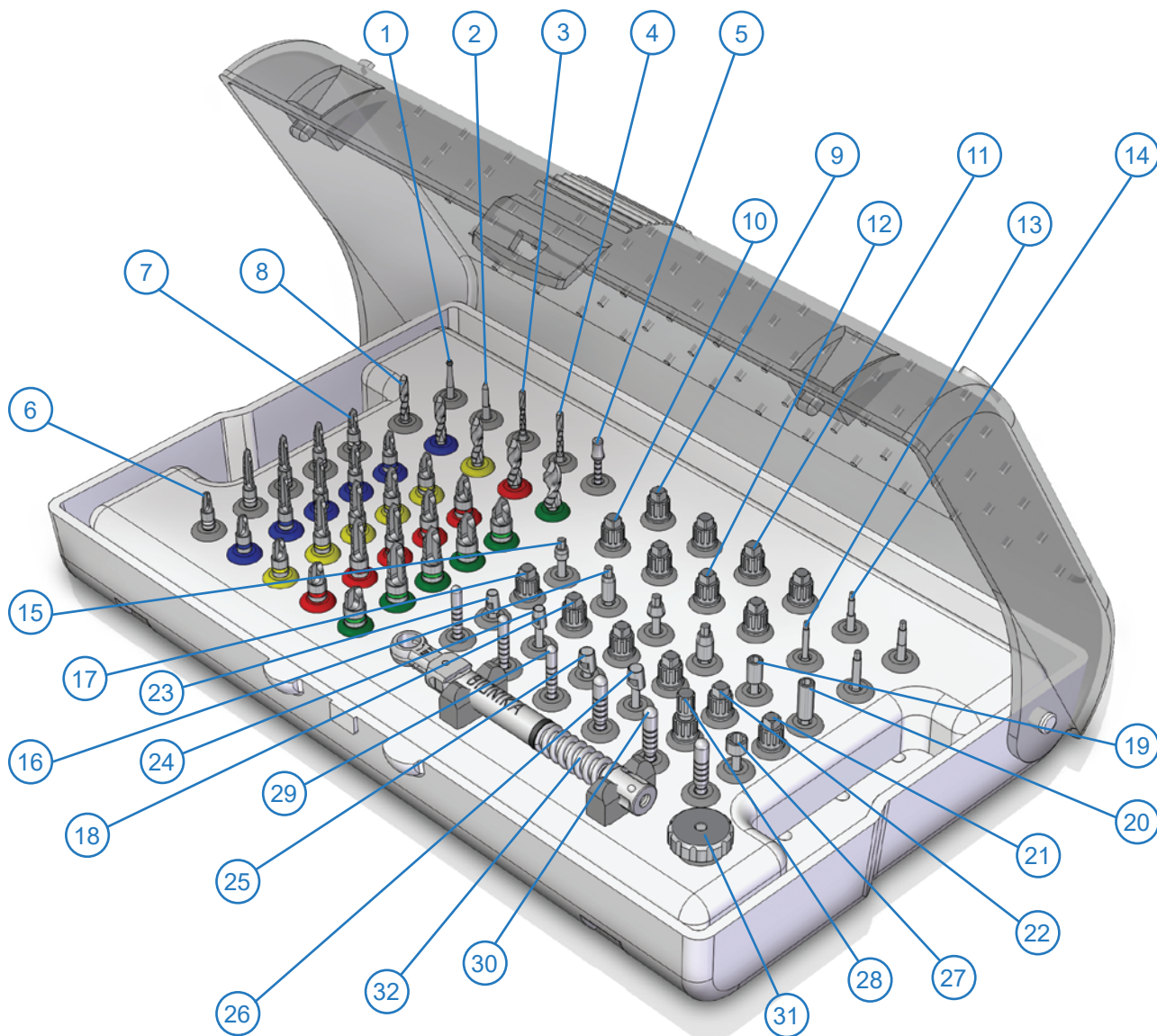


Height (L)	
7/17 mm	CL 59.11.18.717

Locking screw

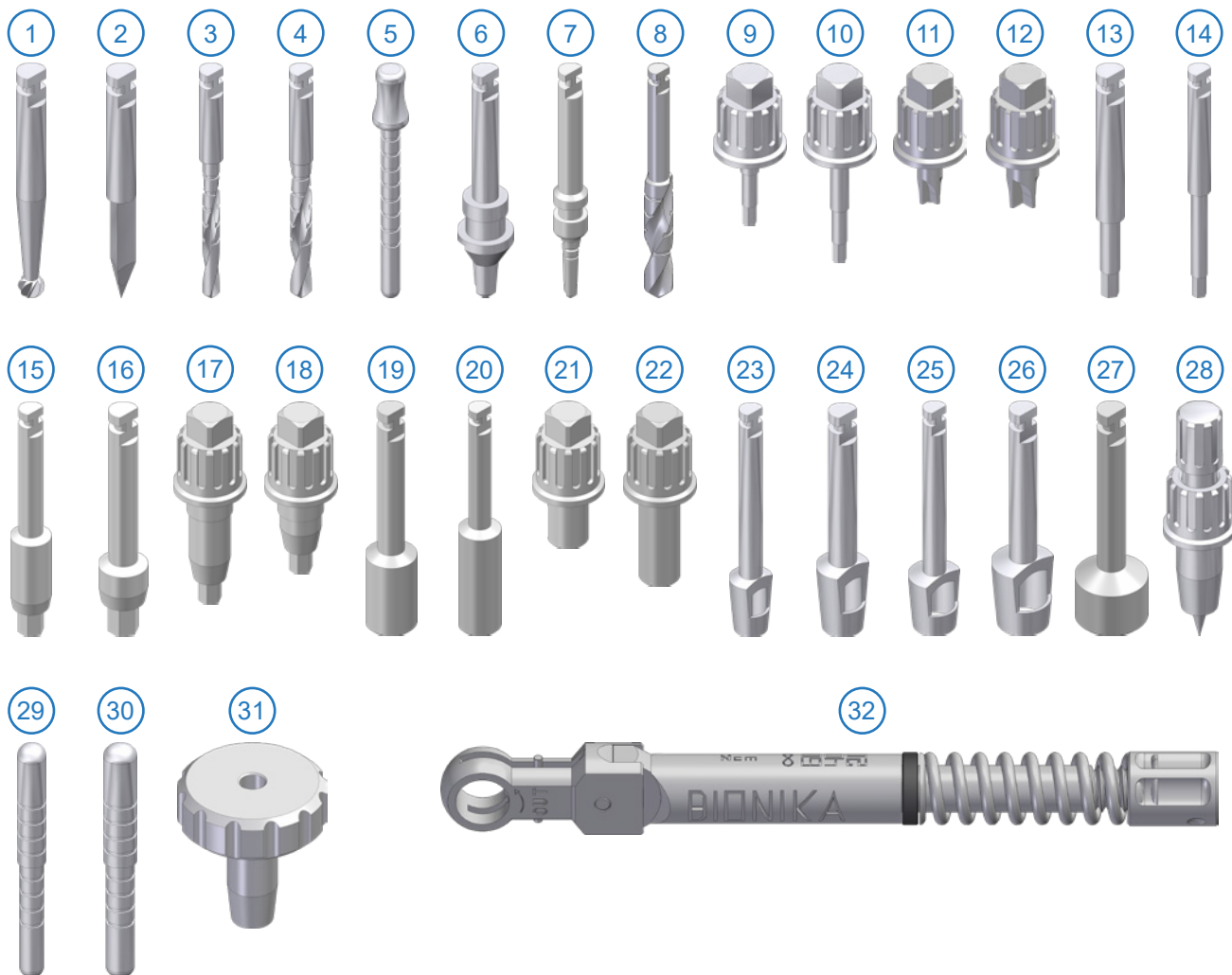


Height (L)	
1,8 mm	CL 59.02.18.003

SURGICAL INSTRUMENTS


	Denomination	Typical size	
1	Ball end mill		CL 59.51.00.000
2	Spear-pointed drill		CL 59.52.00.000
3	Pre-drill	D 2,0mm	CL 59.53.00.000
4	Pre-drill	D 2,5mm	CL 59.54.00.000
5	Depth gauge		CL 59.55.00.000
6	Cortical neck instructional drill (5 piece)		CL 59.56.00.000
7	Core drills (20 piece)		CL 59.57.00.000
8	Universal spiral drills (5 piece)		CL 59.58.00.000
9	Through-bolted key, short, manual	Lt 1,3mm	CL 59.59.00.000
10	Through-bolted key, long, manual	Lt 1,3mm	CL 59.60.00.000
11	Ball head wrench , cross headed		CL 59.61.00.000
12	Ball head key, cross headed		CL 59.62.00.000
13	Through-bolted key, short	Lt 1,3mm	CL 59.63.00.000
14	Through-bolted key, long, manual	Lt 1,3mm	CL 59.64.00.000
15	Implant driver, mechanical, short	6Lt 2,2mm	CL 59.65.00.000

SURGICAL INSTRUMENTS



	Denomination	Typical size	
16	Implant driver, mechanical, long	6Lt 2,2mm	CL 59.66.00.000
17	Implant driver, manual, short	6Lt 2,2mm	CL 59.67.00.000
18	Implant driver, manual, long	6Lt 2,2mm	CL 59.68.00.000
19	Patent key, mechanical, short		CL 59.69.00.000
20	Patent key, mechanical, long		CL 59.70.00.000
21	Patent key, manual, short		CL 59.71.00.000
22	Patent key, manual, long		CL 59.72.00.000
23	Gingiva punch, mechanical, long	D 3,5mm	CL 59.73.00.000
24	Gingiva punch, mechanical, short	D 3,5mm	CL 59.74.00.000
25	Gingiva punch, mechanical , long	D 4,0mm	CL 59.75.00.000
26	Gingiva punch, mechanical, short	D 4,0mm	CL 59.76.00.000
27	Quadrilateral key	4Lt3,9mm	CL 59.77.00.000
28	Gingiva punch, manual	D 4,0mm	CL 59.78.00.000
29	Indicator, thin	D 2,5-3,0mm	CL 59.79.00.000
30	Indicator, thick	D 3,0-4,0mm	CL 59.80.00.000
31	Manual key driver		CL 59.81.00.000
32	Ratchet torque wrench	90mm	CL 59.82.00.000

PACKAGE





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